

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____		
Description Work Order Deviation				Disposition					

Root Cause			FAULT CATEGORY					
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐			
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐			
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐			
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐			
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐			
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐			
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐			
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐			
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐			
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐			
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____						
Misidentified ☐	Past Due ☐							

157376

Page 2

N900040100

Setup Start *NS1*

Stop *NS2*

Start Date: 3/2/2017 **Start Qty:** 4.00 ***4***

Cust Item ID:

Required Date: 3/10/2017 **Req'd Qty:** 4.00 ***1***

Customer:

Reference:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Run Start *NR1*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop *NR2*

**Insp.
Stamp**

0.00

150

QC

Memo

0.01

Quality Control

Stamp
DAS
45
9.89
2017-3-19

Identify as per dwg & Stock Location: 51438A

0.00

151

Packaging

Memo

0.01

Packaging

4 MAR 20 2017

QC21- Final Inspection - Work Order Release

0.00

190

QC

Memo

0.07

Quality Control

17/3/21

DAS
21
9-89

MAR 29 2017

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Date : _____		Step #: _____		QTY Effective : _____			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
									
							Completed By		
							Lead hand / Supervisor Approval Verification		
QC / QA Coordinator Approval									

Root Cause				FAULT CATEGORY			
Environment ☐	☐ No Re-verification	☐ Pressure/Forced	☐ Temperature/Cure	☐ Power Loss/Surge	☐ Positioned Wrong		
Design ☐	☐ Operator	☐ Bending	☐ Set-up	☐ Folio/Program	☐ Outside Dimensions		
Doc/Data ☐	☐ Offset/Setup	☐ Centre Not Concentric	☐ BOM/Route	☐ Grain	☐ Over/Under tolerance		
Equip/Tooling ☐	☐ Supplier	☐ Cracks	☐ Broken/Damage/Defect	☐ Weld	☐ Part Incorrect		
Handling/Pre ☐	☐ Training	☐ Crimp/Kink/Ripple/Wave	☐ Inspection Incomplete/Unqualified	☐ Wrong Stock Pulled	☐ Part Lost/Missing		
Material ☐	☐ Use for Testing	☐ Cuffs	☐ Contamination	☐ Out of Sequence	☐ Part Moved		
Internal Transport ☐	☐ Poor Information	☐ Crushing	☐ Countersink	☐ Off-set	☐ Drawing		
Tribal Knowledge ☐	☐ Rushing	☐ Heat Treat	☐ Cut Too Short	☐ Mislabeled	☐ Finish		
LOA ☐	☐ Product Improvement	☐ Wave/Twist in Tube	☐ Instructions Incomplete/Unclear	☐ Fit/Function	☐ Misread		
Substation ☐	☐ Process Improvement	☐ Marks/Chatter	☐ Drill Holes	☐ Misaligned/off center	☐ Turning Sequence		
Past Expiry Date ☐	☐ Manufacturing Process	OTHER : _____					
Misidentified ☐	☐ Past Due						

Picklist Print

Tuesday, February 21, 2017 1:07:49 PM

Page 1

Work Order ID: 157376

157376

Parent Item: D3167-1

D3167-1

Parent Item Name: Bearpaw

Start Date: 3/2/2017

Required Date: 3/10/2017

Start Qty: 4.00

Required Qty: 4.00

Comments:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
MUHMWB10		Purchased	No			120	sf	540.0170	3.6	14.4			

MUHMWB10

UHMW 1" Black - 48"x120" Tivar Mfg.#52480104

2/17/03/08

Location

Loc Qty

Loc Code

MAT011

13.517

m131661

13.517

MAT018

526.5

m136290

126.5

m136453

400

15

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Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐								
		OTHER : _____							

DART AEROSPACE LTD		Work Order: 157376
Description: Bearpaw		Part Number: D3167-1
Inspection Dwg: D3167	Rev: A1	Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

☒ First Article ☐ Prototype

Inspection Sheet	Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
A	0.06 x 45°	+0.030/-0.010	0.060 x 45°	—		Ver MLO6	
B	5.80	+/-0.030	5.795	—		"	
C	0.25 x 45°	+/-0.030	0.250 x 45°	—		"	
D	R0.25	+/-0.030	R.250	—		R.G	
E	0.200	+/-0.030	.195	—		Ver MLO6	
F	0.250	+/-0.010	.260	—		"	
G	0.625	+/-0.030	.640	—		"	
H	0.375	+/-0.010	.380	—		"	
I	0.950	+0.030/-0.010	.970	—		"	
J	3.21	+/-0.030	3.210	—		"	
K	19.00	+/-0.030	19.000	—		M+tag	
L	Ø0.260	+0.005/-0.000	.260	—		Ver MLO6	
M	Ø0.93	+/-0.030	.930	—		"	
N	0.30	+0.030/-0.000	.300	—		"	
O	0.375	+/-0.030	.375	—		"	
P	7.23	+/-0.030	7.230	—		"	
Q	4.54	+/-0.010	4.540	—		"	
R	2.00	+/-0.030	2.000	—		"	
S	12.000	+/-0.010	12.000	—		M+tag	
T	6.000	+/-0.010	6.000	—		"	
U	23.75	+/-0.030	23.750	—		"	

Measured by: DAS 14 9-89	Audited by: DAS 45 9-89	Prototype Approval:	N/A
Date: 17/03/18	Date: 2017-3-19	Date:	N/A

Rev	Date	Change	Revised by	Approved
A	03.09.22	New Issue P/O D130-700-011	KJ/RF	

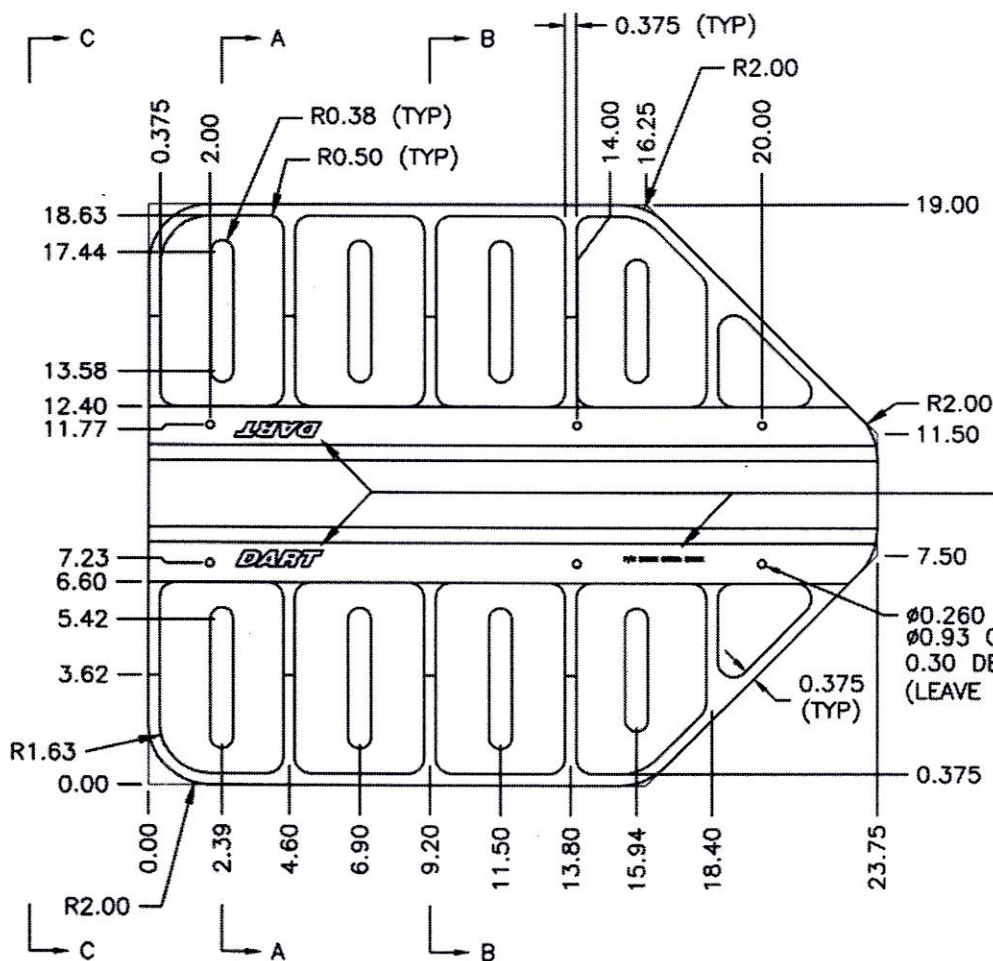
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CHECKED 	APPROVED 	DRAWING NO.		REV. A	
		D3167		SHEET 1 OF 2	
DATE		TITLE		SCALE	
02.10.08		BEARPAW		1:6	
A	02.10.08	NEW ISSUE			
A1	02.12.17	5.80 WAS 5.50			

ENGRAVE LOGO TO MAX
DEPTH OF 0.012. ENGRAVE
PART AND BATCH NUMBERS
TO MAX DEPTH OF 0.010.
(TYPICAL LOCATION AS
ILLUSTRATED)

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 157376 m9

NO. 157376 N



D3167-1

MATERIAL: UHMW BLACK PER SPEC CONTROL DRAWING D2689
1.00 THICK (MACHINE TO 0.950)
TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

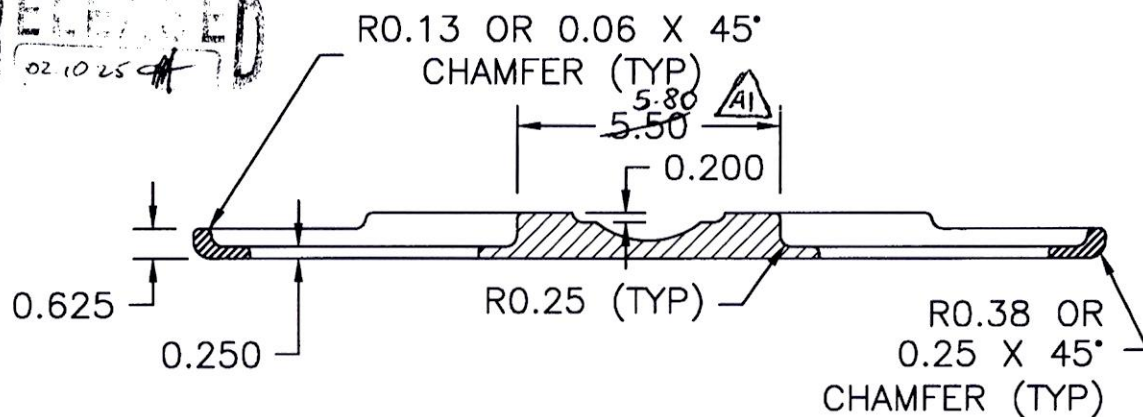
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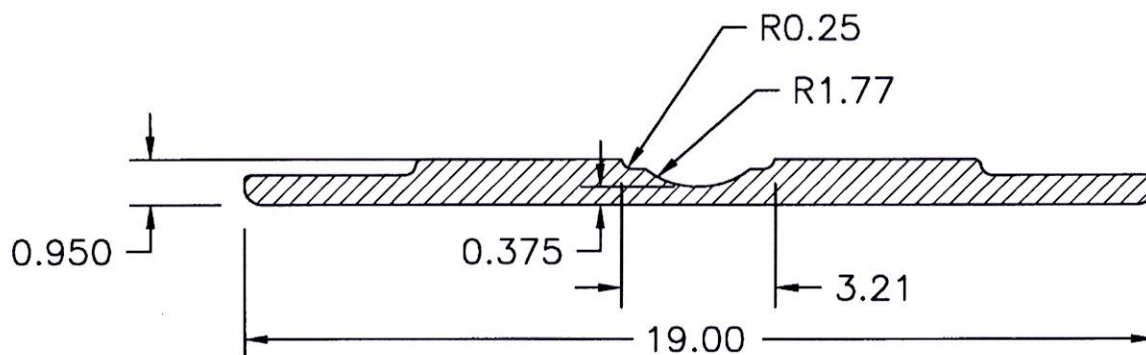


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CHECKED 	APPROVED 	DRAWING NO. D3167	REV. A SHEET 2 OF 2
DATE 02.10.08		TITLE BEARPAW	SCALE 1:4

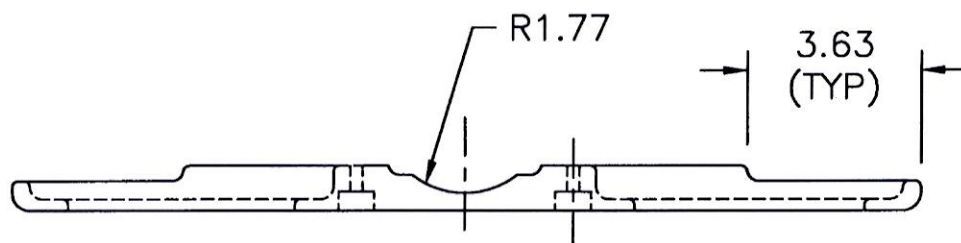
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02 10 25



SECTION A-A



SECTION B-B



SECTION C-C

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